

CLAIM AMENDMENTS

Claims 1-8 previously cancelled.

9. (Previously presented) A voltage stabilizer that is configured to provide an output voltage from an input voltage, comprising:

- a plurality of primary coils,
- a secondary coil, inductively coupled to each primary coil of the plurality of primary coils, and configured in series between the input voltage and the output voltage to effect a change in the output voltage relative to the input voltage,
- one or more switch elements that are configured to effect select configurations of the primary coils, and
- a controller that is configured to measure the output voltage and correspondingly control the one or more switches to adjust the output voltage to substantially correspond to a nominal voltage level.

10. (Previously presented) The voltage stabilizer of claim 9, wherein the one or more switch elements include static trip elements.

11. (Previously presented) The voltage stabilizer of claim 9, wherein the plurality of primary coils and the secondary coil are replicated three times to provide a three-phase set of output voltages.

12. (Previously presented) The voltage stabilizer of claim 11, wherein each of the one or more switch elements are configured to control the corresponding replicated primary and secondary coils.

13. (Previously presented) The voltage stabilizer of claim 9, wherein each primary coil of the plurality of primary coils is substantially identical, and has a substantially equal inductive coupling to the secondary coil.

14. (Previously presented) The voltage stabilizer of claim 13, wherein
the controller is configured to control the one or more switches so as to arrange
the plurality of coils in series, parallel, or series-parallel.

15. (Previously presented) The voltage stabilizer of claim 9, wherein
the controller is configured to control the one or more switches so as to arrange
the plurality of coils in series, parallel, or series-parallel.

16. (Previously presented) The voltage stabilizer of claim 9, wherein
at least one switch of the one or more switches is configured to bypass the
secondary coil, so that the output voltage corresponds to the input voltage.

17. (Previously presented) The voltage stabilizer of claim 16, wherein
the at least one switch is also configured to disengage the plurality of primary
coils from the input voltage.

18. (Previously presented) The voltage stabilizer of claim 9, wherein
at least one switch of the one or more switches is configured to arrange the
plurality of primary coils in one of: a series connection and a parallel connection, and
at least one other switch of the one or more switches is configured to control a
direction of coupling between the plurality of primary coils and the secondary coil.

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (New) A voltage stabilizer, comprising:

a pair of primary coils,

a secondary coil that is inductively coupled to each of the pair of primary coils,

and

a first switch that is configured to couple the pair of primary coils in a first state
or a second state,

the first state corresponding to a series connection of the pair of primary
coils, and

a second switch that is configured to selectively invert a direction of coupling
between the pair of primary coils and the secondary coil, and

a third switch that is configured to selectively couple the pair of primary coils to a
supply input voltage, and

a controller that is configured to measure an output voltage and to
correspondingly control the first second and third switches to adjust the output voltage to
correspond to a nominal voltage.